

# **Former Camp Butner**

## **Restoration Advisory Board Meeting**

**#3**

**July 28, 2005**

# **Institutional Controls Update**

## Map of Former Motlow Range

# Site-Wide Institutional Controls Components

- Community Relations Plan
- Children's Activity Books
- Warning Signs
- Brochures
- Educational Video



### For additional information contact:

U.S. Army Corps of Engineers  
Mobile District  
ATTN: CESAM-PA  
P.O. Box 228  
Mobile, AL 36628-0001

Public Affairs Tel: (334) 690-2505

U.S. Army Corps of Engineers  
Huntsville Center  
ATTN: CEHNC-PA  
P.O. Box 1600  
Huntsville, AL 35807-4301

Public Affairs Tel: (256) 895-1692

**E**YE on  
**SAFETY**

Public Outreach Program at  
Former Motlow Range

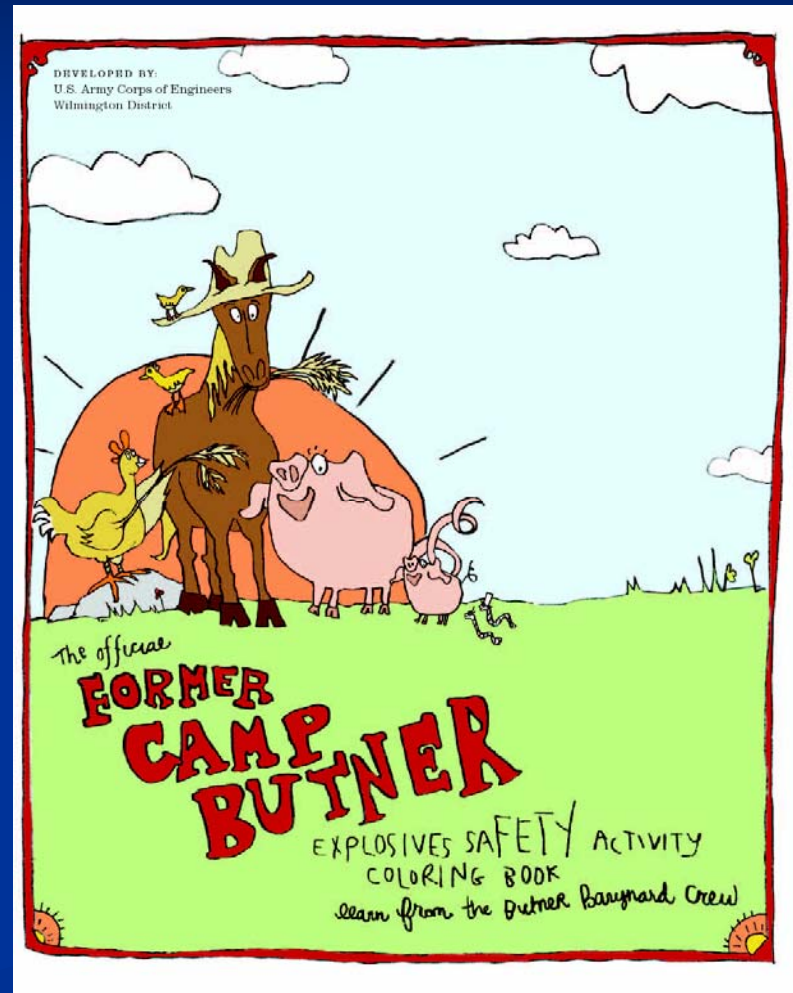
# Community Relations Plan

- Finalized February 10, 2005
- Copies in Admin Record



# Children's Activity Books

- Finalized July 2005 with USACE and RAB comments
- Copy in Packet
- Electronic Copies will be provided shortly for RAB distribution



# Warning Signs

- Finalized June 2005 with USACE and RAB comments
- Signs sent directly to USACE
- County distribution IAW RAB recommendations of 36 Granville, 2 Person, and 2 Durham
- Installation pending




# Brochures


- Finalized June 2005 with USACE/RAB comments
- Copy in Packet
- 1000 hard copies and electronic copy will be provided shortly for RAB distribution

**KNOWING ORDNANCE**


**RECOGNIZING THE UNFAMILIAR:**




Practice Land Mine



2.36 inch Bazooka Rocket



105 mm Shrapnel Projectile



155 mm Projectile

Ordnance at the former Camp Butner may be on the surface or buried in a few inches of soil. The above photos are examples of ordnance discovered by workers at the site.

Remember, if you should find ordnance, **DO NOT TOUCH OR REMOVE IT!** Remember the Three R's

- 1. RECOGNIZE**
- 2. RETREAT**
- 3. REPORT**

If you should discover ordnance, call and report its location to:

**911, local police department, or**

- Granville County **919-693-3213**,
- Durham County **919-560-0892**,
- Person County **336-597-0500**.


If you would like further information on this project, please contact the U.S. Army Corps of Engineers office listed below.

USACE, Wilmington District  
Public Affairs Officer,  
ATTN: Penny Schmitt  
P.O. Box 1890  
Wilmington, NC 28402-1890  
(910) 251-4626  
penny.schmitt@saw02.usace.army.mil

For more information, visit our website  
<http://www.usace.army.mil/campbutner/index.htm>

The former  
**Camp BUTNER**  
Durham,  
Granville,  
&  
Person  
Counties,  
North Carolina

**EXPLOSIVES  
AWARENESS  
& SAFETY  
PROGRAM**

 **US Army Corps  
of Engineers**

# Educational Video

- Finalized July 2005 with USACE and RAB comments
- Community distribution by RAB
- DVD/VHS copies to be provided shortly
- Can be further duplicated

# **Administrative Record & Geographical Information System Update**

# Administrative Record Locations

- South Branch, Granville County Library  
1547 S. Campus Drive  
Creedmoor, North Carolina
- Town of Butner Operations Center  
205C West E Street  
Butner, North Carolina

# Administrative Record Contents

- Archives Search Report
- Final Parsons EE/CA Work Plan
- Final Parsons EE/CA Report
- Final Parsons TCRA Work Plan
- Final Parsons TCRA Report
- USA Environmental TCRA Report
- USACE Drinking Water Report
- Final Parsons Community Relations Plan

# Geographical Information System Update

- Original Database 1999
- Updated to 2004 (most recent) County information
- Submitted to USACE July 2005

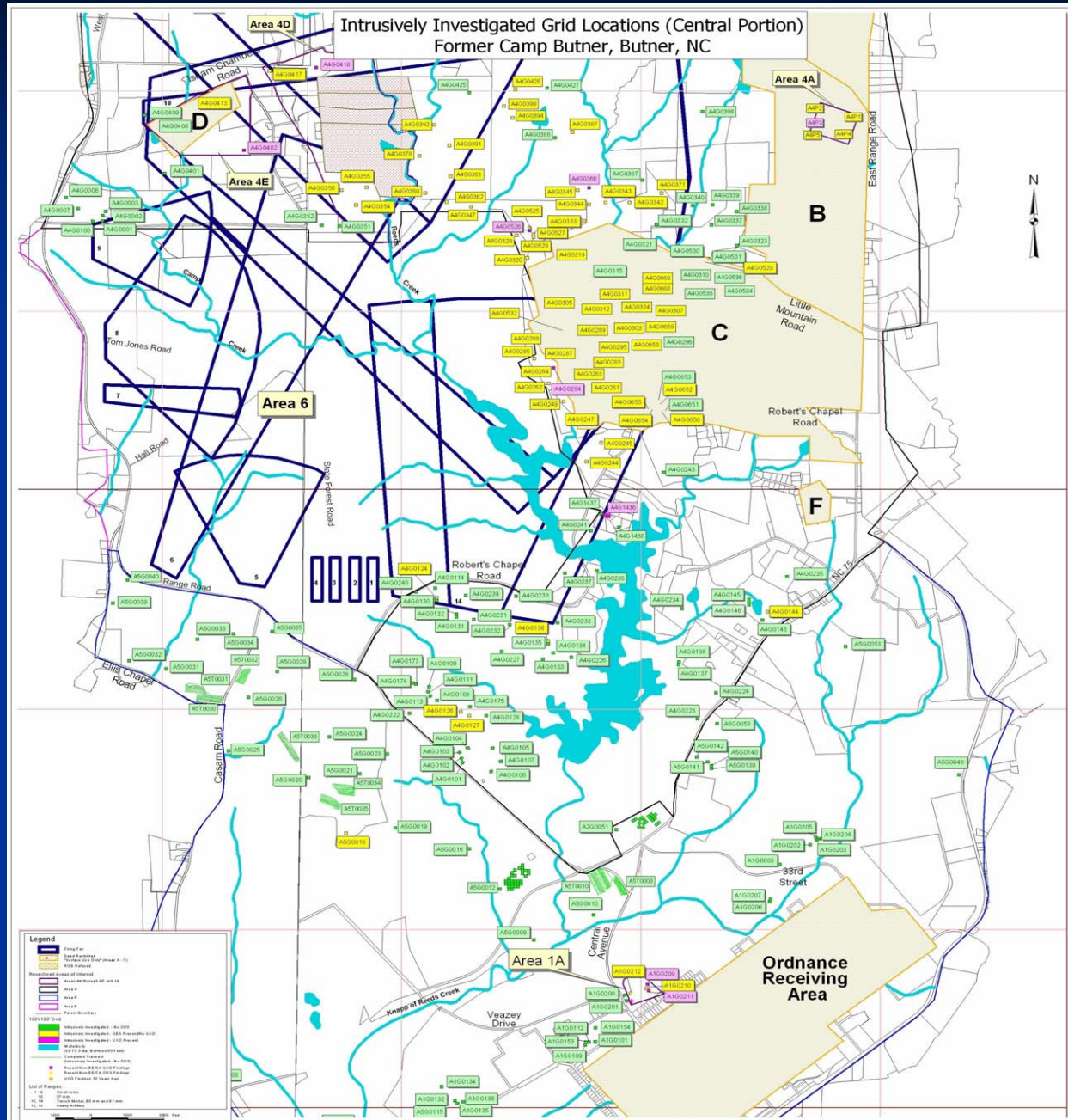
# **Removal Action Review**

# Response Action Summary

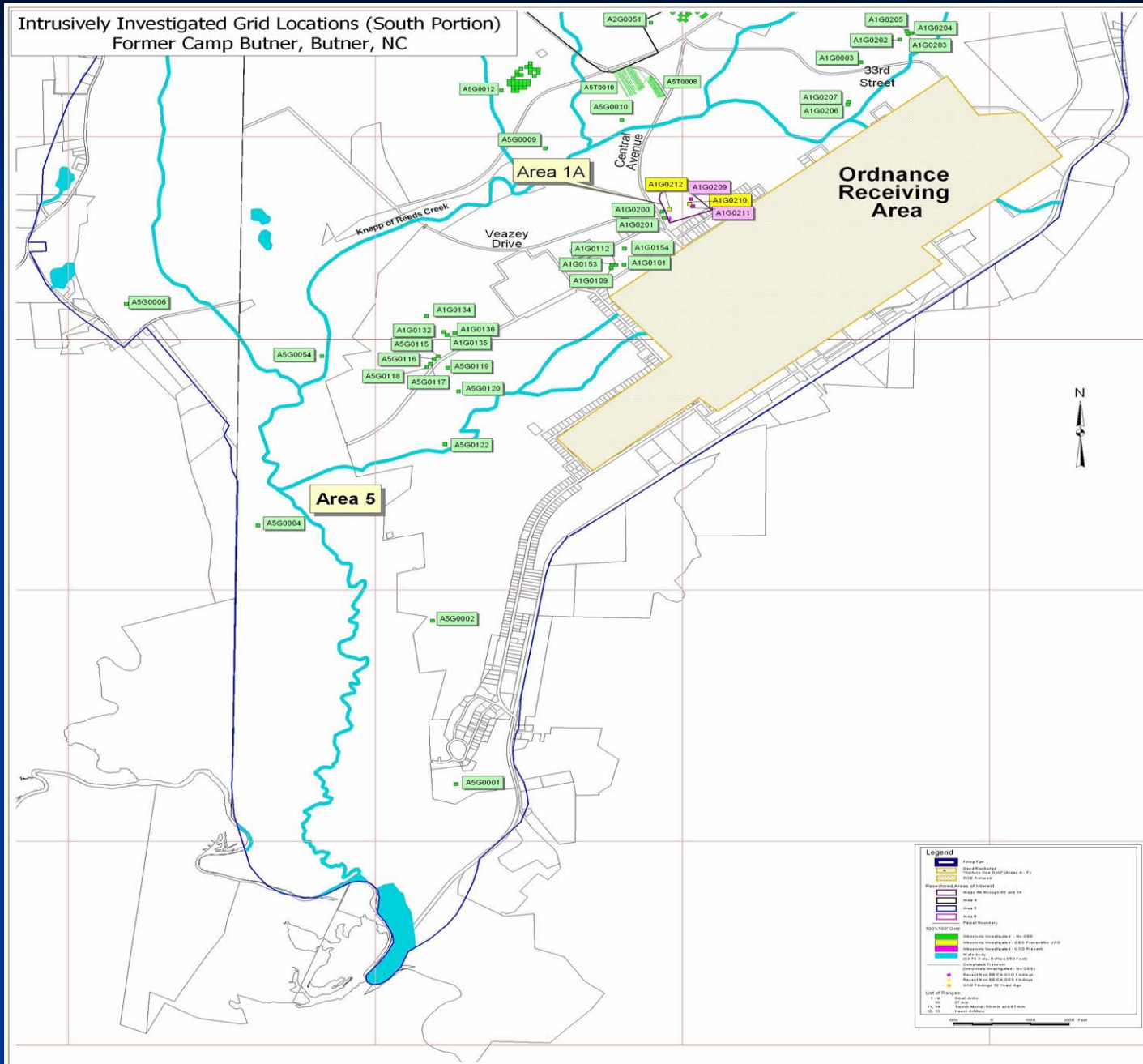
Site	Action	AOI/ Clearance Acreage	Estimated Cost
Site 1A	Subsurface Clearance to Depth	20/20	\$524,518
Site 4A	Subsurface Clearance to Depth	34/34	\$654,622
Site 4B	Subsurface Clearance to Depth (10 agricultural acres only)	20/10	\$199,159
Site 4C	Subsurface Clearance to Depth (16 acres residential only)	126/16	\$352,999
Site 4D	Site-Wide Institutional Controls/6 Res.	453/12	\$194,202
Site 4E	Site-Wide Institutional Controls/1 Res.	152/2	\$32,367
Site 4	Site-Wide Institutional Controls/225 Res.	21,139/450	\$7,282,575
Site 5	No DoD Action Indicated (NDAI)	13,672/NA	NA
Lakeview	Subsurface Clearance to Depth	26/26	\$373,374
Site-Wide IC	NA	NA	\$80,750/\$10,500 yr
Total			\$9,694,566 \$10,500 year



## Butner Central EE/CA Findings



## Butner South EE/CA Findings



# Area 1A : Flamethrower Range (20 acres)

## **Military Use:**

Designated Flamethrower Range.  
Findings indicate also grenade and mine training.  
No Historic Deed Restriction.

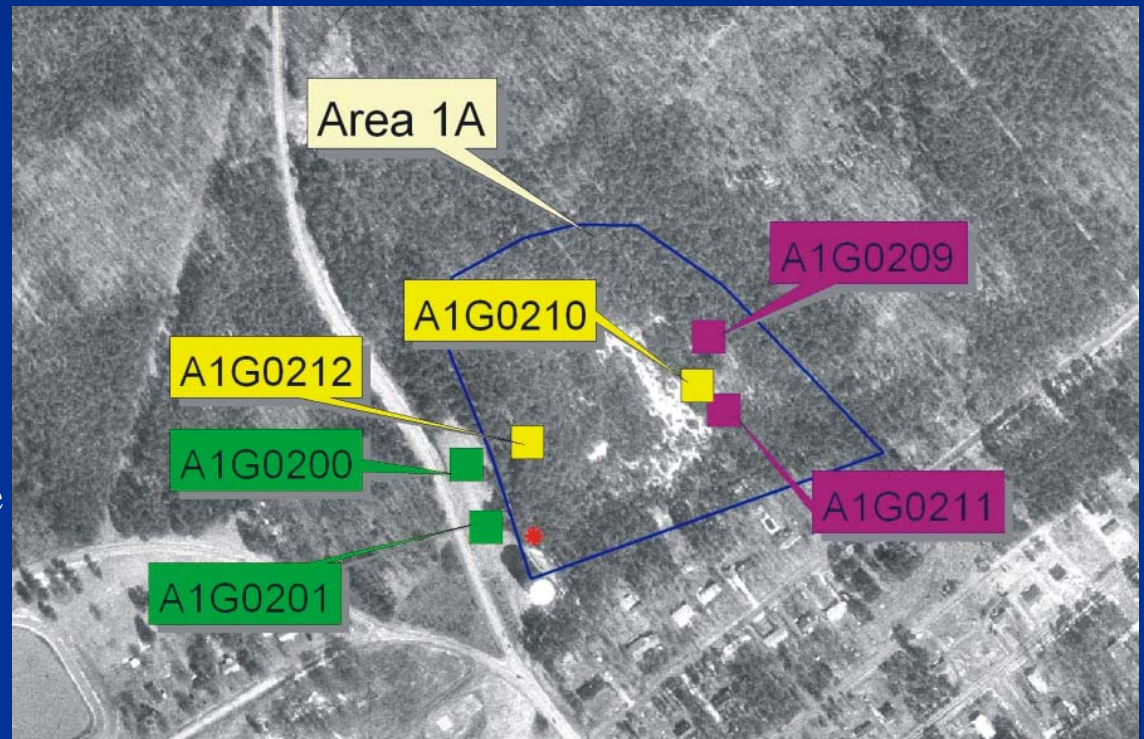
**Owner:** State of North Carolina

**Current Use:** Idle (forested).

**Future Use:** Recreational, Day Care Center and Adjacent Hospital.

## **Current Access Restrictions:**

Limited Vehicular - Otherwise None



# Area 1A : Flamethrower Range (20 acres)

## OE Found:

### Two UXO Items:

1. M4 Anti-Tank Practice Mine w/Fuze and Spotting Charge (10" bgs).
2. Mk II hand grenade (1" bgs).

### OES:

5 Mk 15 expended smoke grenades.

**Depth:** Mostly 0-2", Maximum 10" (mine).

### Selected Response:

Clearance to Depth

UXO Presence

Proximity of Residential

Available Access



## Area 4A: Tunstall – Bazooka Range (34 acres)

### **Military Use:**

Within Known Rocket Range.  
“Surface Use Only” Historic Deed Restriction.

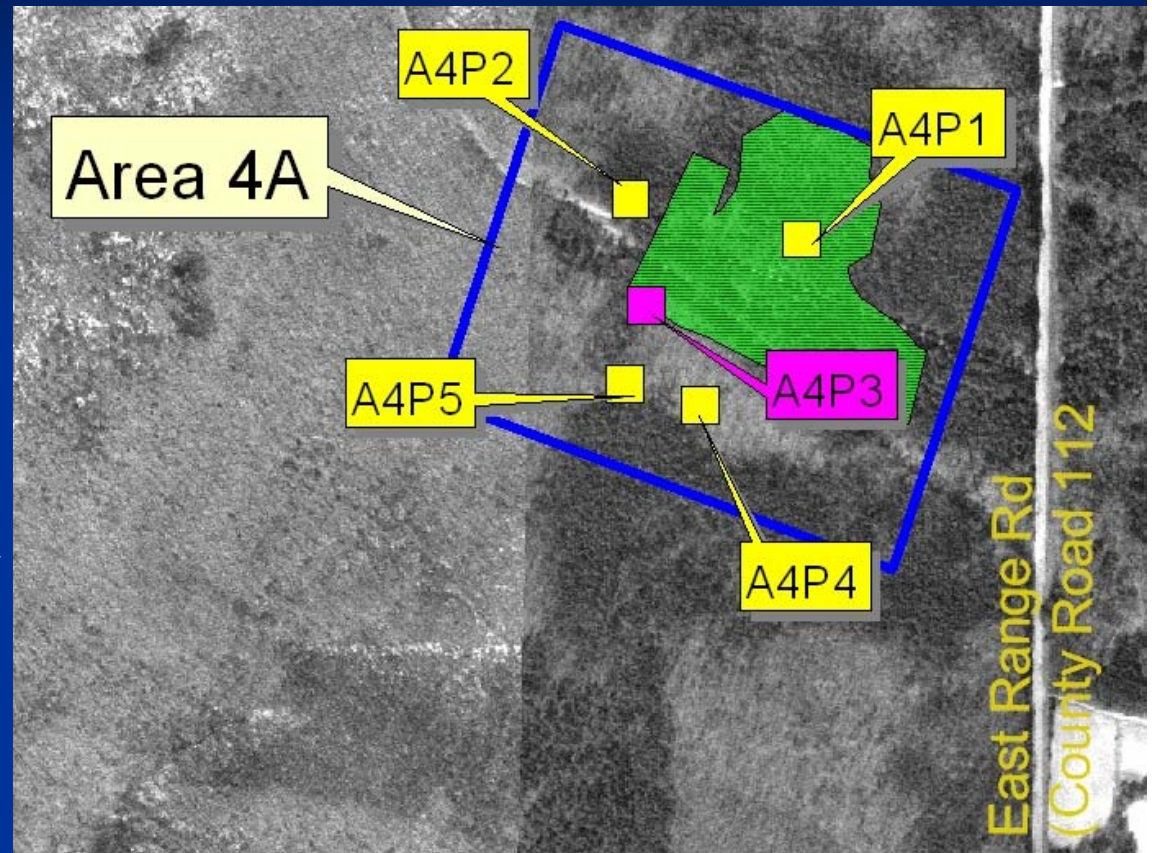
**Owner:** Single private owner currently selling lots for residential development.

**Current Use:** Undeveloped/wooded with single residential owner.

**Future Use:** Additional Residential.

### **Current Access Restrictions:**

None



# Area 4A: Tunstall – Bazooka Range (34 acres)

## OE Found:

### One UXO Item:

1. 2.36-inch bazooka rocket (3”bgs).

### OES:

Numerous 2.36-inch rocket scrap and M9 rifle grenade fragments.

**Depth:** 0-6”.

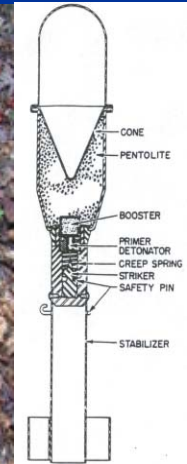
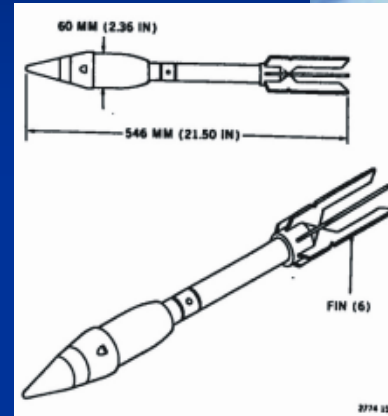
## Selected Response:

Clearance to Depth

UXO Presence

Active Residential Development

Available Primary Road Access



## Area 4B: Veazey – Bazooka Range (20/10 acres)

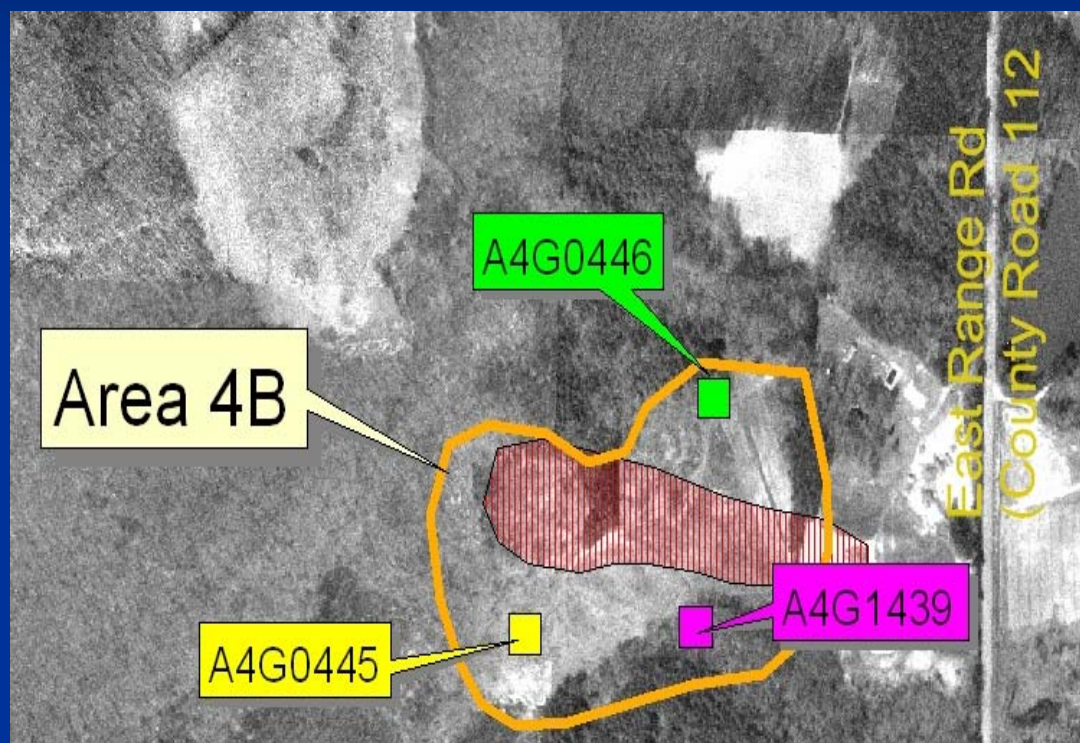
**Military Use:** Within Known Rocket Range.  
“Surface Use Only” Historic Deed Restriction.

**Owner:** Two private residential owners.

**Current Use:** Two residences, 8-acre “garden” and 10 acres wooded/undeveloped.

**Future Use:** Anticipated Same.

**Current Access Restrictions:** None



## Area 4B: Veazey – Bazooka Range (20/10 acres)

### OE Found:

#### One UXO Item:

1. 2.36-inch bazooka rocket  
(18"bgs).

#### OES:

2.36-inch rocket scrap.

**Depth:** 3-18"

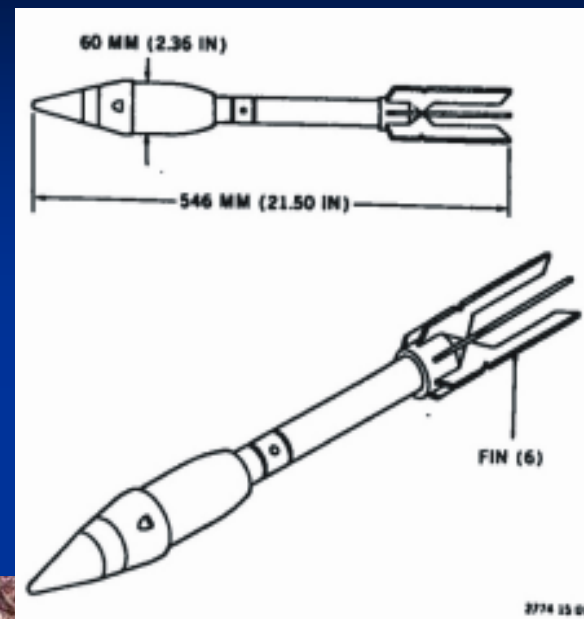
### Selected Response:

Clearance to Depth (10 acres)

UXO Presence

Active Agricultural

Residential Property



# Area 4C: Blalock et al (126 acres/16 acres)

## Military Use:

Within Known Heavy Artillery Impact Area, includes Mock German Village.

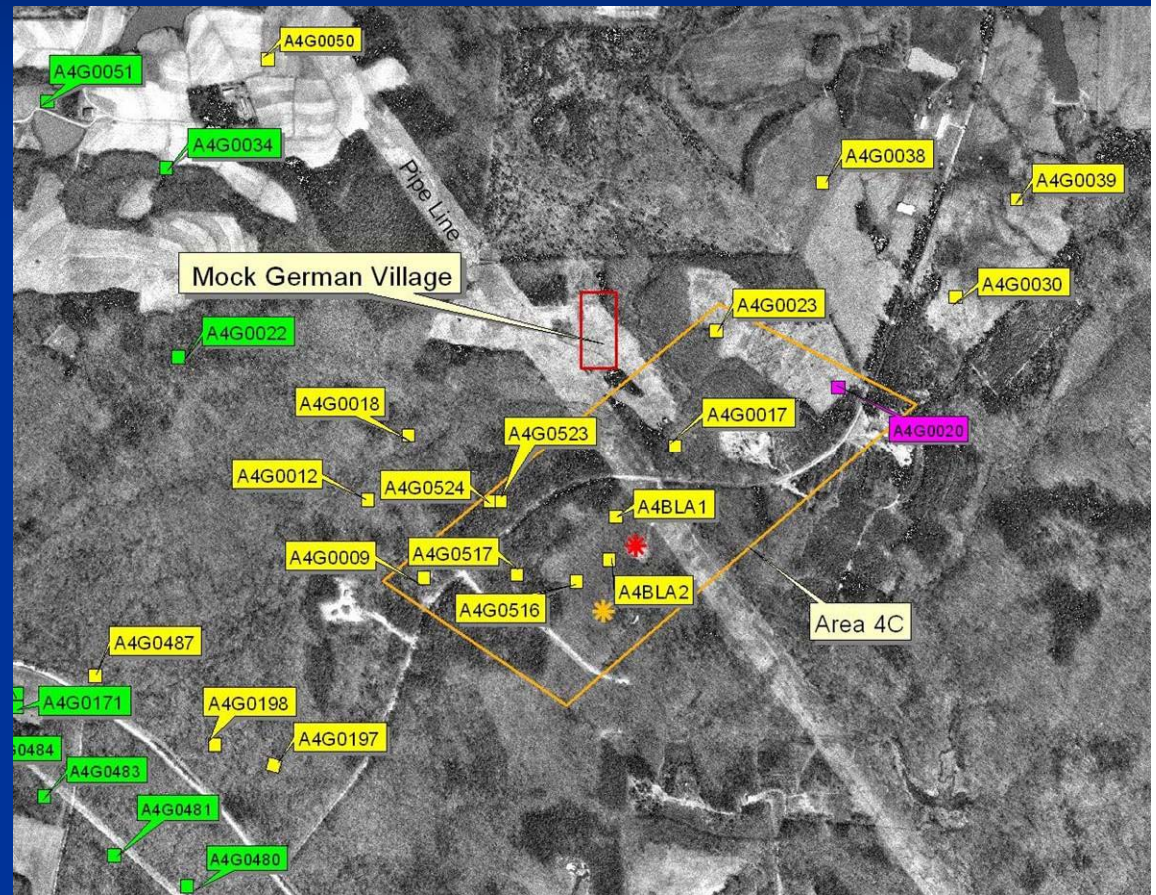
“Surface Use Only” Historic Deed on entire area.

**Owner:** Several private land owners. Some absentee and some residential (Blalock – 10 acres).

**Current Use:** Mostly undeveloped with Light Residential (8 dwellings).

**Future Use:** Anticipated Same.

**Current Access Restrictions:**  
None



# Area 4C: Blalock et al (126 acres/16 acres)

## OE Found:

### One UXO Item (EE/CA):

1. 105mm HE projectile, unfuzed (3" bgs).
2. Two 155mm HE Projectiles Reported by Blalocks.

### OES:

105-155mm HE fragments and fuzes.

**Depth:** 1-30", Mostly < 12" bgs.

### Selected Response:

Clearance to Depth to include footprint of residential properties only (16 acres).

UXO Presence

Residential Property



# Area 4D: Howerton et al (453 acres)

**Military Use:** Within Firing Fans for 37mm, 60mm, and 81mm Ranges – Similar to Area 4A. No Historic Deed Restriction.

**Owner:** Several large acreage private owners – Howerton Family - ROE refused on portion.

**Current Use:** Undeveloped/Forested and Agricultural Use. Light Residential.

**Future Use:** Anticipated Same.

**Current Access Restrictions:** None

## **OE Found:**

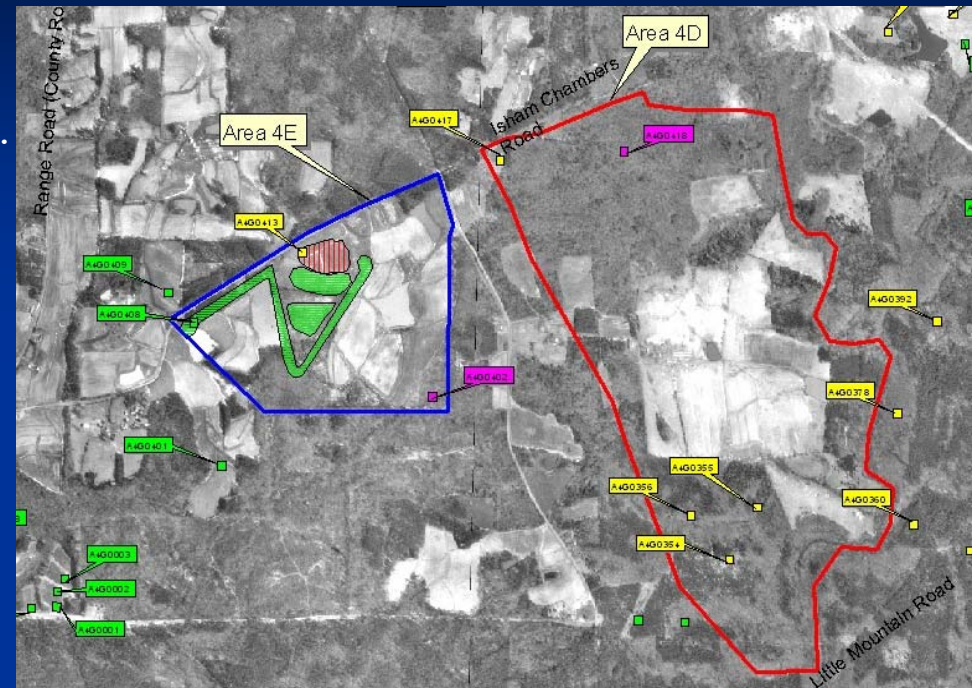
### **One UXO Item:**

1. 37mm HE Projectile (3"bgs).

### **OES:**

Two 37mm and one 57mm AP-T solid projectiles and unidentifiable HE fragments.

**Depth:** 0-10"



## **Selected Response:**

Site-Wide Institutional Controls Only

Lack of Development

Terrain

Few Property Owners – Minimal Residential.

# Area 4E: Hester et al. (152 acres)

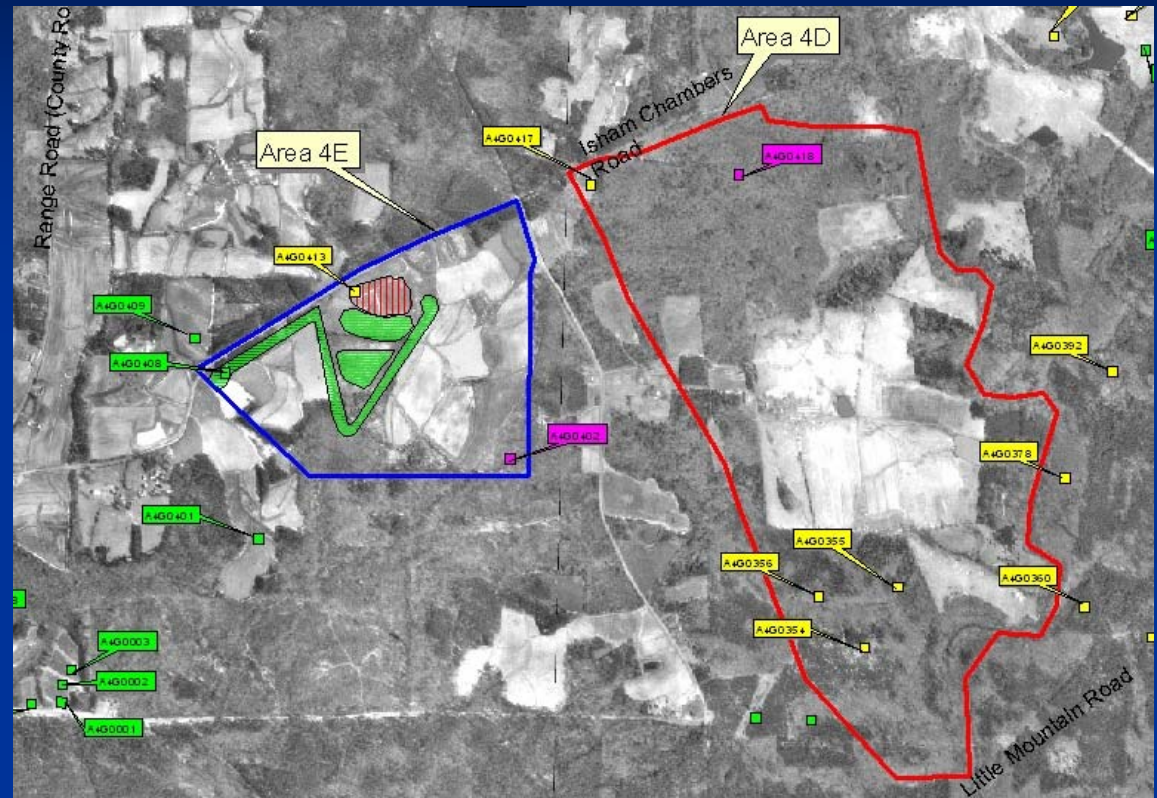
**Military Use:** Within 37mm Firing Range  
“Surface Use Only” Historic Deed on majority of area.

**Owner:** Single large acreage private owners – Hester and secondary small parcel private owner (1 dwelling).

**Current Use:**  
Agricultural (Tobacco). Leased for this use.

**Future Use:** Anticipated Same.

**Current Access Restrictions:**  
None



# Area 4E: Hester et al. (152 acres)

## OE Found:

One UXO Item (EE/CA):

1. 37mm HE projectile (1" bgs).

## OES:

Unidentifiable HE fragments.

**Depth:** 0-1" bgs.

## Selected Response:

Site-Wide Institutional Controls Only

Lack of Development

Terrain

Minimal Residential.



# Area 4 Proper (21,139 acres)

**Military Use:** Various, Includes portions of some firing fans and impact areas.

“Surface Use Only” on some historic deeds.

**Owner:** Numerous private landowners.

**Current Use:** Hunting, agricultural (Tobacco and Hay), forest, light to moderate residential.

**Future Use:** Anticipated Same with increased residential component.

**Current Access Restrictions:** None

## **OE Found:**

### **5 UXO Items (EE/CA):**

1. 57mm HE Projectile
  2. 105mm HE Projectile
  3. M-series Fuze (live)
  4. 155mm Shrapnel
  5. 2.36-inch bazooka rocket (unfuzed)
- \*155mm WP Projectile by Loggers.

**OES:** 1118 items including 37mm and 57mm projectiles, 2.36-inch rockets, 60mm and 81mm mortar parts, various expended fuzes, 37mm-155mm HE fragments.

**Depth:** 1-30” bgs.



## **Selected Response:**

- Site-Wide Institutional Controls
- Residential 2-acre Footprint Clearance to Depth

# Area 5: Remaining Land (13,672 acres)

**Military Use:** Cantonment and various training.  
No evidence of firing ranges.  
No Historic Deed Restrictions.

**Owner:** Numerous private and State landowners.

**Current Use:** Town of Butner, Wildlife Sanctuary, Undeveloped.

**Future Use:** Anticipated Same.

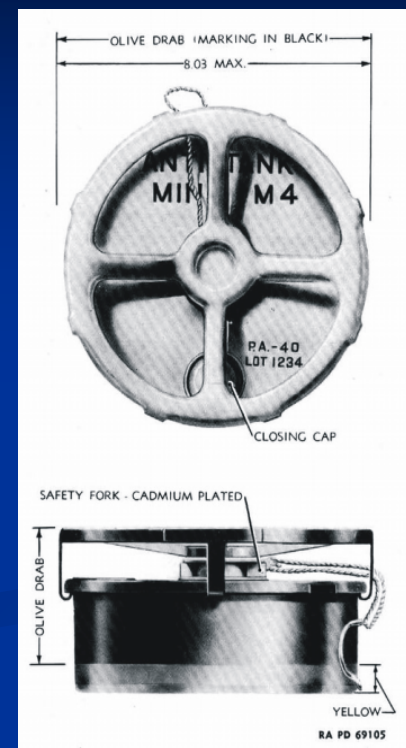
**Current Access Restrictions:** None

## **OE Found:**

No UXO Items

OES: Pressure plate from M4 practice mine.

**Depth:** Surface.



## **Selected Response:**

Site-Wide Institutional Controls Only

Lack of UXO or OES Presence

Limited current residential development.

No primary target areas.

# Lakeview Subdivision TCRA Site (26 acres)

**Military Use:** Unknown. Potential Dumping.  
No Historic Deed Restrictions.

**Owner:** Several private and State landowners.

**Current Use:** Residential Subdivision.

**Future Use:** Anticipated Same.

**Current Access Restrictions:** None

## OE Found:

### Seven UXO Items:

1. 37mm HE Projectile (3"bgs, EE/CA).
2. 6 UXO < 6" bgs, TCRA

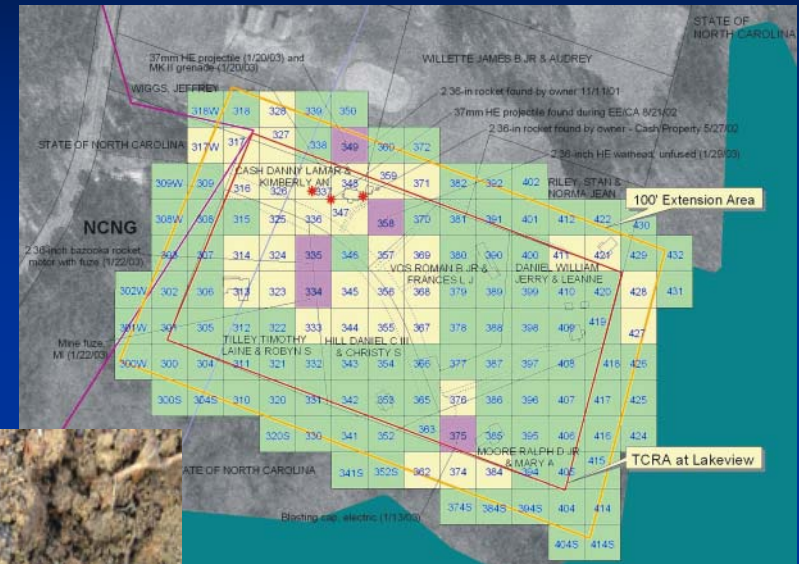
**OES:** Various practice landmines, mortar fins, and 2.36" rocket parts.

**Depth:** 0-6"

## Selected Response:

Clearance to Depth.

UXO Presence, Residential Property  
Digital Mapping Interpretation



# Final EE/CA RA Recommendations

## Clearance to Depth:

- Area 1A, Flamethrower Range (20 acres)
- Area 4A, Bazooka Range/Tunstall, 2.36-inch Rocket Range (34 acres)
- Area 4B, Bazooka Range/Veazey, 2.36-inch Rocket Range (Lawn and Garden only - 10 acres)
- Area 4C, Heavy Artillery Impact Area/Blalock/Sides/et al - Impact Area (Residential Only - 16 acres)
- Lakeview Subdivison, (26 acres)
- Area 4D, Area 4E, Area 4 Proper – 2 acre residential footprint.

# Parsons' Prioritization

- Area 1A – Flamethrower Range
- Area 4A – Bazooka Range/Tunstall Property
- Area 4B – Bazooka Range/Veazey
- Area 4C – Heavy Artillery Impact Area/Blalock TCRA
- Lakeview – TCRA
- Area 4D, 4E, Area 4 Proper
  - Area 4D – Medium Artillery Range (Residential Footprints)
  - Area 4E – 37mm Range (Residential Footprints)
  - Area 4 Proper – (Residential Footprints)